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CENTRAL FAX CENTER****NOV 27 2006****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

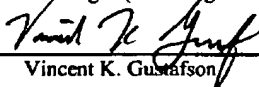
<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>4241-685</b>
	)		
<b>Applicants:</b>	)	<b>Conf. No.:</b>	<b>1430</b>
<b>Application No.:</b>	)	<b>Art Unit:</b>	<b>1775</b>
<b>Date Filed:</b>	)	<b>Examiner:</b>	<b>Timothy M. Speer</b>
<b>Title:</b>	)	<b>Customer No.:</b>	
<b>LARGE AREA, UNIFORMLY</b>	)		
<b>LOW DISLOCATION</b>	)		
<b>DENSITY GAN SUBSTRATE</b>	)		
<b>AND PROCESS FOR</b>	)		
<b>MAKING THE SAME</b>	)		

**23448****FACSIMILE TRANSMISSION CERTIFICATE****ATTN: Timothy M. Speer****Fax No. (571) 273-8300**

I hereby certify that this document, along with any enclosure(s) identified herein, is being filed in the United States Patent and Trademark Office, via facsimile transmission to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date specified below, to United States Patent and Trademark Office facsimile transmission number (571) 273-8300.

**8 Pages**

Number of Pages (including cover)



Vincent K. Gustafson

**November 27, 2006**

Date

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN  
U.S. PATENT APPLICATION NO. 10/712,351**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

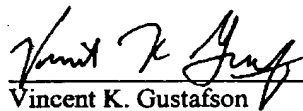
4241-685

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO/SB/08A. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☒ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ c. Attached is credit card form in the amount of \$180.00 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 08-3284 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.

Respectfully submitted,

  
\_\_\_\_\_  
Vincent K. Gustafson  
Reg. No. 46,182  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
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**Enclosures:**  
**IDS Form [ 1 pg(s).]**  
**Non-Patent References [ 5 pgs.]**

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Sheet 1 of 1	<i>COMPLETE IF KNOWN</i>	
	Application Number	10/712,351
	Filing Date	November 13, 2003
	First Named Inventor	XU, et al.
	Art Unit	1775
	Examiner Name	Timothy M. Speer
Attorney Docket Number	4241-685	

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**NOV 27 2006**

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AQ	D'EVELYN, M.P. et al., Growth and Characterization of Bulk GaN Crystals at High Pressure and High Temperature, Mat. Res. Soc. Symp. Proc. Vol. 798, pp. 275-279, 2004, Materials Research Society	

Examiner signature		Date Considered	
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

<sup>2</sup> Applicant is to place a check mark here if English Translation is attached. All the foreign patents and publications that are not written in English language are accompanied by their respective English abstracts, which constitute concise explanation of relevance of the non-English patents and publications that satisfy the requirements of 37 C.F.R. §1.98(a)(3)(i), according to MPEP 609 III A(3).